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The Highland County Board of School Examiners hereby gives notice that examinations of applicants for certificates will take place in the Washington School Building, Hillsboro, on the first Saturday of each month.

Patterson examinations will be held on the third Saturday of April and on the second Saturday of May.

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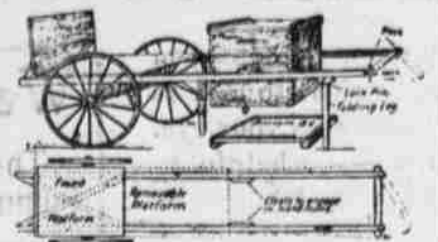
**Weakens Pain**



### HIVE-LIFTING WHEEL-CART.

A Contrivance That Will Prove Serviceable to the Bee Keeper.

Honey production having grown from retail to wholesale, hives, of necessity, need handling more rapidly and easily. Every professional apiarist surely must always need a hand-cart of some sort. Then why not try to make it do more than one thing? By the plan shown in the illustration I think anyone can modify the details to suit his needs; as, owing to hives being so various in many ways, one particular pattern would suit only one man. In a truck made as suggested, I would have the floor-boards of the truck nearest the front, free—just to rest on the handles—and kept in place by cleats on the under side, either to come inside or outside of handles, so



The Hive-Lifter.

that when the truck is wanted to lift hives off the bottom boards or to carry to another stand they can be removed; and by opening the front pull-bar the handles may be sprung open sufficiently to go easily each side of the hive; and when the pull-bar is put back in place and the pin put in, the hive cannot slip or shift. The drop-leg shown will hold the hive up and leave both hands free, and two ends and sides near to work at. As regards the drop-leg, make the joint so that the leg will be free to work only one way—back and forth; otherwise the weight of the hive will swing the truck round and let the hive down. I suggest a pin something like the hinge of a gate, and below the pin the leg swings by, have a hole right through the joint and leg to put a pin through; then the truck cannot possibly move. Now, when you lift a hive by the truck, the writer in Bee Culture goes on to explain, you can, if you wish, move it sideways, or back or forth, as needed; and in putting it back you can guide it home to one-sixteenth inch. When the drop-leg is lifted for ordinary work about the yard I would have short fixed legs to come, say, just back of where the back of the hive comes for lifting; and when the drop-leg is hooked up to the side-rails it is out of the road. With the loose floor boards in place, you have a handy cart for carrying supers and the many other things needed in a yard worked for bread and butter. With a pair of wheels and an axle a handy man would make it in a day, and have a tool that would make many a hard task pleasant and easy.

### FATTENING CHICKENS.

They Must Be Confined to Obtain the Best Results.

After taking his readers through the period of fattening chickens from one to six weeks, the Irish Homestead expert sums up the subject as follows: "We will say, then, in the first place that cockerels and pullets will not fatten, no matter what quality or quantity of food you feed them, so long as they are running pell mell about the farm and, therefore, the chief essentials for fattening them successfully are not only suitable foods, but also suitable quarters in which they can be confined."

You must select a good table breed, and one which can be made to suit the requirements of your market.

You must separate the cockerels from the pullets while fattening, and must confine both in either yards or coops. You must begin to fatten at the proper age, and keep the birds under treatment neither longer nor shorter than the periods recommended, which are six weeks for yard fattening, two weeks for coop fattening, and three weeks for cramming.

The fowls must be fed only twice a day, and the foods used must be sound, wholesome and of good fat and flesh-forming nature. The yards, coops and all appliances must be kept strictly clean, and it is well to use slack lime and lime wash freely whenever possible.

The fattening or cramming industry in Sussex, England, and the adjoining counties, has now assumed such gigantic proportions that hundreds of thousands of pounds' worth of dressed poultry are dispatched from every parish in a single year, and there are thousands of families depending for their livelihood on the industry."

### POULTRY NOTES.

Be sure that the pullets have plenty of good food during the summer if you expect them to develop and lay when eggs are scarce.

The fowl yards should be plowed up occasionally; this serves two purposes. It gives the fowls a chance to eat the worms and gets rid of the trampled, unclean soil on top.

Success in poultry raising is like everything else—there's money in it for the right man. However, it's no get-rich-quick scheme and there's a lot of hard work to do.

### POULTRY DISEASES.

Common Ailments and Their Remedies by an Expert.

W. S. Jacobs of the Arkansas station gives the following remedies for the diseases named:

**Apoplexy**—In this trouble by the time it is noticed the fowls are usually too far gone for treatment. Death is caused by a sudden rush of blood to the head, causing the bursting of one of the blood vessels. Overeating, sudden fright or extreme heat may result in this trouble, and the best remedy, of course, is to avoid the causes. If the fowl is not too far gone a cure may sometimes be effected by bleeding from under the side of the wing.

**Bumblefoot**—This is an abscess on the bottom of the foot caused by a bruise received by the fowl jumping from a high roost. The treatment is to lance the abscess, remove the pus and then wash the wound thoroughly with a solution made of carbolic acid one part, and warm water 50 parts. It is best to place the fowl in a clean stall or box for a few days till the wound has a chance to heal.

**Chicken Cholera**—This is a contagious disease of the bowels and may be observed by the characteristic green frothy nature of the droppings. Treatment is generally useless. Kill all infected birds, burn or deeply bury, and disinfect the quarters thoroughly. Potassium permanganate or copperas in the drinking water of the well birds is a wise precaution, and which should not be neglected.

**Colds**—While these may not in themselves have much effect on the owl they often lead to something more serious and ought never to be neglected. The quarters should be made as comfortable as possible. Then take equal parts of cayenne pepper, ginger and mustard, mix with lard or butter until a stiff paste is obtained. Roll these mixtures into little pellets and give to the affected bird by opening the mouth and dropping it down the throat. A single treatment will generally effect a cure. If not, repeat the dose later on.

**Roup**—This term is used to apply to a number of diseases affecting the head and throat. What is now generally recognized as roup is diphtheria or diphtheritic roup. And what is ordinarily called roup which does not seriously affect the throat, is influenza or heavy cold. Opinions differ in regard to the permanent cure of this disease. We would not advise attempting a cure except in the case of very valuable fowls, when the following treatment is recommended: Make a wash of cotton and tie it on the end of a stick and swab the mouth with hydrogen peroxide. As the disease is very contagious all infected birds should be removed from the others and the premises thoroughly disinfected. For the mild form wash sores and discharges from the nostril with a 2 per cent solution of carbolic acid, and give some stimulant such as ginger or red pepper in the feed. For ordinary fowls it will generally be found cheaper in the end to kill the affected birds and burn their bodies.

**Limber Neck**—As the name indicates, this disease is characterized by the limp condition of the neck. The owl loses all control of the neck muscles and the head rests on the ground. It is caused by the fowls eating decayed flesh in which a ptomaine has developed. Treatment is rarely successful. Some cures have been reported, but it is doubtful if the bird will be worth the labor expended. The most effective and best treatment is to prevent it by being careful not to give any decayed flesh where the owls will have access to it.

**Gapes**—In chickens this disease frequently destroys large numbers and is caused by trematode worms in the windpipe. The trouble can be very easily identified, as the worms in the windpipe cause the birds considerable difficulty in breathing, causing it to open its mouth and gape, hence the name. Like the other diseases, the best cure is prevention, and it can best be accomplished by keeping the fowls on fresh ground and not allowing their quarters to become foul or filthy. A good remedy for the disease is to shut the affected fowls in a limited space and cause them to breathe air into which fine slaked lime is occasionally dusted.

### EASILY CLEANED NESTS.

This Style of Nest Boxes Are Hard to Beat.

As a time saver the easily-cleaned chicken nests shown in the sketch are hard to beat. These nests are best made of 12-inch boards. Use one for the back and top, and cut another in foot lengths for the partitions. At the front use 1x4 along the bottom.



Convenient Form of Nest Boxes.

For the bottom use a 12-inch board. Fasten it at the back with hinges and at the front attach to it several leather straps by which it can be hooked up on nails to hold it in place. These nests should be fastened against the wall.

When you want to clean the nests all that is necessary is to unhook the straps from the nails in front and let the bottom down, thus emptying all the contents. The bottom can then be quickly scraped and swept or washed with a spray pump, and then put in place again. The sketch shows the bottom partly let down.

**David's Kindness to Jonathan's Son**

Sunday School Lesson for Oct. 13, 1902

Specially Arranged for This Paper

LESSON TEXT.—2 Samuel 9. Memory verse 7.

**GOLDEN TEXT.**—"And be ye kind to one another, tender-hearted, forgiving one another," Eph. 4:32.

**TIME.**—Not far from the middle of David's reign, about the time of the close of his wars. Prof. Willis J. Beecher thinks that "it was subsequent to David's great sin and was probably one of the earliest of the fruits of his repentance."

**PLACE.**—David was at Jerusalem. Mephibosheth lived near Mahanaim, where Saul's son Ishbosheth, by the aid of his general, Abner, had undertaken to hold the kingdom during David's reign at Hebron. It was east of the Jordan, about half way between the Dead Sea and the Sea of Galilee.

**Comment and Suggestive Thought.** David's Mind Reverts to Forgotten Duties.—Overlooked in the great pressure of the duties of defending and organizing his kingdom and building them up into material and religious prosperity.

David had made a league of friendship with Jonathan, Saul's son, which was to extend to their children. All the affection this prince had lavished upon David now came back in full tide to prompt him to express his appreciation of it by kind deeds to some of the family. He had also loved Saul himself. As far as Saul was concerned it was a noble example of doing good to enemies, according to the precept of Prov. 25:21, 22 and Rom. 12:19-21. Saul had several times tried to kill David; he had driven him into exile, and hunted him from place to place. There was a long, black chapter of wrongs in the past.

He finds Mephibosheth, Son of Jonathan.—Ziba, an officer of the house of Saul, reported to David that a son of Jonathan was living in the home of Machir in Lo-debar, a place not far from Mahanaim.

Mephibosheth, whose name was originally Merib-baal, "Lord Meri" (1 Chron. 8:34; 9:40), was five years old (2 Sam. 4:4), when his father Jonathan and his grandfather Saul were slain on Mount Gilboa. When the news came of their death the boy's nurse took him and fled toward Jezreel, and in her haste let him fall. He was so injured that he was all his life lame in both feet. Being five years old at Saul's death he must have been 12 or 13 years old when David became king over all Israel. When, therefore, he came to court he must have been 20 years old, was married, and had a little son (v. 12). Mephibosheth, as the representative of Saul's eldest son, and the precedence over Saul's other sons, and was Saul's heir.

Other Accounts of Mephibosheth.—See 1 Chron. 8:34-40; 9:40-44; 2 Sam. 4:4; 21:7; 16:1-4; 19:24-30.

Mephibosheth's Property Restored, and Himself Brought to the Palace.—The oriental idea was that all the family of a rival claimant to the throne should be put to death, or removed from all possibility of inciting an insurrection.

His inheritance from Saul was restored to Mephibosheth. It must have been considerable. It was placed under Ziba, a steward, and the revenues were to be sent to his master at the court of David.

Mephibosheth was invited to sit at the royal table as a part of David's household. The Syrian missionary, Rev. William Ewing, says in the Sunday School Times: "When two men eat bread together, this is the desert sacrament, the sign and seal of a covenant of friendship, a league for mutual protection. This is so if they eat but once. Had David only on one occasion invited Mephibosheth to sit and eat with him, he would therefore have been known as the king's friend, to injure whom would be to provoke the monarch's vengeance. But a place 'continually' at the royal table declared a relationship of a deeper and stronger kind. He who eats 'continually' at an Arab's board has passed the conditions of mere 'guest' or 'friend,' and is acknowledged as 'identified with the family in all its manifold interests. David thus devised right liberal things for the unfortunate son of the beloved comrade of other days."

Like David, we are not to wait till the needy come to us, but we are to search for any we can help; canvass our field, and find out who can be invited to eat the bread of life continually with us in our class.

We should organize and train our class to go into the highway and hedges if need be, and bring others in to enjoy the good things of the Bible with them.

No one should be too busy to do acts of kindness to individuals, and to pay by kindness the debts of love. "Elevation to power is a God-given opportunity" for remembering those who have been less successful.

A woman came to an oriental king to have some wrong redressed, and he refused because he had not time. "Then," said she, "if you have not time to do justice, you have not time to be king."

### Great Men of Culture.

The great men of culture are those who have had a passion for diffusing, of making prevail, for carrying from one end of society to the other, the best knowledge, the best ideas of their time; who have labored to divest knowledge of all that was harsh, uncouth, difficult, abstract, professional, exclusive; to humanize it; to make it efficient outside the clique of the cultivated and learned, yet still retaining the best knowledge and thought of the time, and a true source, therefore, of sweetness and light.—Matthew Arnold.

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